

AMENDED CLAIM SET

The claims have been amended as set forth in the following listing of the claims:

1. (currently amended) A display device capable of displaying a text containing a standardized character, and a non-standardized image ~~registered image inserted in the text~~ ~~therein~~ simultaneously, comprising:

a first storage portion for storing beforehand a standardized character code ~~a character code for specifying each standardized character character in said text and character shape data corresponding to said character code in a correlated manner;~~

a second storage portion for storing a non-standardized ~~an image code for specifying said non-standardized registered image and registered non-standardized image data corresponding to said non-standardized image code in a correlated manner, said non-standardized image being generated by a user according to registration processing by a user, the image code being not stored in the second storage portion beforehand and stored externally by a user;~~

a display output portion for outputting said standardized character ~~text and said non-standardized registered image;~~ and

a display control portion for causing said display output portion to output corresponding said standardized character ~~text and said non-standardized registered image~~ based on display data containing a series of said standardized character code, text attribute data, and said non-standardized image code, said display control portion having image transforming means for transforming said non-standardized ~~registered image~~ to be displayed according to said text attribute data.

2. (currently amended) The display device according to claim 1, wherein  
said text attribute data contains size attribute data indicating a character size of the  
corresponding standardized character~~text~~, and

said image transforming means scales up/down said non-standardized ~~registered~~-image  
according to said size attribute data.

3. (currently amended) The display device according to claim 1, wherein  
said text attribute data contains color attribute data indicating at least a fore color of a  
corresponding standardized character~~text~~, and

said image transforming means converts a color of said non-standardized ~~registered~~  
image according to said color attribute data.

4. (currently amended) The display device according to claim 3, wherein when said  
non-standardized ~~registered~~-image is a gray image, said image transforming means converts each  
pixel of said non-standardized image into a color made by mixing the fore color and a back color  
~~of said text~~ at a ratio according to a pixel value of said standardized character.

5. (currently amended) The display device according to claim 1, wherein  
said text attribute data contains decoration attribute data indicating a type of a decoration  
applied to a corresponding standardized character~~text~~, and

said image transforming means decorates said non-standardized ~~registered~~-image according to said decoration attribute data.

6. (currently amended) A display method for displaying a text containing a standardized character, and a non-standardized ~~registered~~-image inserted in the text therein simultaneously, comprising:

storing a non-standardized ~~an~~-image code for specifying said non-standardized ~~registered~~ image and non-standardized ~~registered~~-image data corresponding to said non-standardized image code, said non-standardized image being generated by a user and stored in a storage portion different from a storage portion for storing the standardized character in a correlated manner according to registration processing by a use, the image code being not stored in the second storage portion beforehand and stored externally by a user;

with respect to display data containing a series of a standardized character code, text attribute data, and said non-standardized image code, transforming said non-standardized ~~registered~~-image to be displayed according to said text attribute data; and

displaying said standardized character ~~text~~ and said non-standardized ~~registered~~-image simultaneously based on said transformed non-standardized ~~registered~~-image, ~~and said text attribute data and the character code for specifying each character in said text, and character shape data corresponding to said character code stored beforehand in a correlated manner.~~

7. (currently amended) A viewer program for displaying a text containing a standardized character, and a non-standardized registered-image inserted in the text therein simultaneously, causing a computer to perform the steps of:

storing a non-standardized ~~an~~-image code for specifying said non-standardized registered image and non-standardized registered-image data corresponding to said non-standardized image code, said non-standardized image being generated by a user and stored in a storage portion different from a storage portion for storing the standardized character in a correlated manner according to ~~registration processing by a user, the image code being not stored in the second storage portion beforehand and stored externally by a user;~~

with respect to display data containing a series of a standardized character code, text attribute data, and said non-standardized image code, transforming said non-standardized registered-image to be displayed according to said text attribute data; and

displaying said standardized character ~~text~~ and said non-standardized registered-image simultaneously based on said transformed non-standardized registered-image, ~~and said text attribute data and the character code for specifying each character in said text, and character shape data corresponding to said character code stored beforehand in a correlated manner.~~

8. (currently amended) A computer-readable recording medium having a viewer program recorded thereon for displaying a text containing a standardized character, and a non-standardized registered-image inserted in the text therein simultaneously, said viewer program causing a computer to perform the steps of:

storing a non-standardized ~~an~~ image code for specifying said non-standardized ~~registered~~ image and non-standardized ~~registered~~ image data corresponding to said non-standardized image code, said non-standardized image being generated by a user and stored in a storage portion different from a storage portion for storing the standardized character ~~in a correlated manner~~ according to registration processing by a user, the image code being not stored in the second storage portion beforehand and stored externally by a user;

with respect to display data containing a series of a standardized character code, text attribute data, and said non-standardized image code, transforming said non-standardized ~~registered~~ image to be displayed according to said text attribute data; and

displaying said standardized character ~~text~~ and said non-standardized ~~registered~~ image simultaneously based on said transformed non-standardized ~~registered~~ image, and said text attribute data and the character code for specifying each character in said text, and character shape data corresponding to said character code stored beforehand in a correlated manner.

9. (currently amended) The display device according to claim 5, wherein

said image transforming means includes image decoration means for decorating said non-standardized ~~registered~~ image to provide continuous decoration to both said non-standardized ~~registered~~ image and neighboring standardized characters adjacent to said non-standardized ~~registered~~ image according to said decoration attribute data.

10. (currently amended) The display device according to claim 9, wherein  
said image decoration means decorates said non-standardized ~~registered~~-image, such that  
both said non-standardized ~~registered~~-image and said neighboring standardized characters show  
the said fore and back colors continuously.

11. (currently amended) The display device according to claim 9, wherein  
said image decoration means decorates said non-standardized ~~registered~~-image to draw a  
continuous underline below both said non-standardized ~~registered~~-image and said neighboring  
standardized characters.

12. (currently amended) The display device according to claim 9, wherein  
said image decoration means decorates said non-standardized ~~registered~~-image to draw a  
continuous cancel line on both said non-standardized ~~registered~~-image and said neighboring  
standardized characters.

13. (new) The display device according to claim 1, wherein  
the first storage portion is a ROM, and  
the second storage portion is a RAM.